

IN THE CLAIMS:

Listing Of Claims:

1. (Currently amended) A method of managing telecommunications parameters in a telecommunications system which comprises nodes ~~(BTS, Service 1 to 3)~~ of at least two different wireless telecommunications networks ~~(GSM, WLAN, DAB)~~ and a terminal ~~(IT)~~ which is arranged to establish a wireless data transmission connection to said nodes[[,]] ~~wherein by comprising the steps of:~~

connecting said nodes ~~(BTS, Service 1 to 3)~~ of at least two different wireless telecommunications networks to a fixed network which comprises a server ~~(DA)~~ ~~for storing the~~ configured to store services and telecommunications parameters ~~transmitted supported~~ by the ~~base transceiver stations~~ nodes of said telecommunications networks, said terminal ~~(IT)~~ making a service request through one of said nodes ~~(BTS, Service 1 to 3)~~ to said server ~~(DA)~~; and

transmitting to the terminal ~~(IT)~~ the telecommunications parameters [[15]] of the node ~~(BTS, Service 1 to 3)~~ providing the service according to the request.

2. (Currently amended) A method as claimed in claim 1[[,]] ~~wherein by further comprising~~ transmitting the service request made by the terminal ~~(IT)~~ to said server ~~(DA)~~ by program means, transmitting the services and the telecommunications parameters provided by said nodes ~~(BTS, Service 1 to 3)~~ to said server ~~(DA)~~ by program means, and transmitting the telecommunications parameters of the node ~~(BTS, Service 1 to 3)~~ providing the service according to said service request from said server ~~(DA)~~ to said terminal ~~(IT)~~ by program means.

3. (Currently amended) A method as claimed in claim 1 or 2, ~~wherein by further comprising~~ establishing a connection from said terminal ~~(IT)~~ to said node ~~(BTS, Service 1 to 3)~~ by means of said telecommunications parameters.

4. (Currently amended) A method as claimed in claim 1 wherein a method includes the further step of :

transmitting from said terminal ~~(HT)~~ to the server network-specific service definitions which compromise defined connection quality parameters for each service, and

storing said network-specific service definitions in said server ~~(DA)~~.

5. (Currently amended) A method as claimed in claim 4, ~~wherein by~~ further comprising checking the telecommunications parameters of the node ~~(BTS, Service 1 to 3)~~ providing the service according to the service request of the terminal ~~(HT)~~ from the network-specific service definitions, and

transmitting from said server ~~(DA)~~ the telecommunications ~~[[5]]~~ parameters of said node in response to the service request made by the terminal ~~(HT)~~ only comprising substantially the service type.

6. (Currently amended) A method as claimed in claim 1 ~~or 2 or 3 or 4 or 5~~ wherein ~~that~~ the terminal configures itself by program to the radio interface by means of said telecommunication parameters.

7. (Currently amended) A method as claimed in claim 1, wherein the terminal receives from said server a connection or connection data to a second server which contains software modules and parameter values of the desired new wireless telecommunications network, the terminal downloads from said second server over an Internet protocol ~~(IP)~~ connection established through the old wireless telecommunications network configuration software modules and parameter values with which the terminal configures itself to the radio interface of the desired new wireless telecommunications network.

8. (Currently amended) A method as claimed in claim 1, wherein that said telecommunications parameters contain the limit values of the connection quality parameters supported by the node ~~(BTS, Service 1 to 3)~~.

9. (Currently amended) A method as claimed in ~~any one of claim[[s]] 1 to 9~~, wherein the connection quality negotiation protocol software of the terminal (TT) is configured to operate according to said telecommunications parameters.

10. (Currently amended) A method as claimed in claim 1, wherein the connection quality negotiation protocol software of the terminal (TT) is configured to operate according to said telecommunications parameters.

11. (Currently amended) A method as claimed in claim 1, wherein a connection request sent by the terminal (TT) to the node (~~BTS, Service 1 to 3~~) during connection establishment is formed according to said telecommunications parameters.

12. (Currently amended) A method as claimed in claim 1, wherein communication between the terminal (TT) and the server (~~DA~~) and preferably between the nodes and the server is based on a data transmission protocol independent of said wireless telecommunications networks.

13. (Currently amended) A method as claimed in claim 1, wherein the user initiates the service request and preferably defines the requested service or the telecommunications parameters in the user interface of the terminal (TT).

14. (Currently amended) A method as claimed in claim 1, wherein on the basis of the information received from the server (~~DA~~), information on the available telecommunications networks, services, telecommunications parameters and/or connection quality parameters is shown on the user interface of the terminal (TT).

15. (Currently amended) A method as claimed in claim 1, wherein the connection quality negotiation between the terminal (TT) and the node is performed using a universal negotiation protocol.

16. (Previously presented) A method as claimed in claim 1, wherein the service request sent by the terminal also defines the location of the terminal.

17. (Currently amended) A telecommunications system which comprises nodes (~~BTS, Service 1 to 3~~) of at least two different wireless telecommunications networks (~~GSM, WLAN, DAB~~) and a terminal (~~HT~~) which is arranged to establish a wireless data transmission connection to said nodes, wherein said nodes (~~BTS, Service 1 to 3~~) of at least two different telecommunications networks are connected to a fixed network which comprises a server (~~DA~~) for storing ~~the~~ services and telecommunications parameters ~~provided~~ supported by said nodes of the telecommunications networks, said terminal (~~HT~~) is arranged to make a service request through one of said nodes to said server (~~DA~~), and said server (~~DA~~) is arranged to transmit to the terminal (~~HT~~) the telecommunications parameters of the node (~~BTS, Service 1 to 3~~) providing the service according to the service request.

18. (Currently amended) A telecommunications system as claimed in claim 17, wherein said fixed network comprises program means for transmitting the service request made by the terminal (~~HT~~) to said server (~~DA~~), program means for transmitting the services and telecommunications parameters transmitted by said nodes to said server (~~DA~~), and program means for transmitting the telecommunications parameters of said node (~~BTS, Service 1 to 3~~) providing the service according to the service request from said server (~~DA~~) to said terminal (~~HT~~).

19. (Currently amended) A telecommunications system as claimed in claim 17 or 18, wherein said terminal (~~HT~~) is arranged to establish a connection to said node (~~BTS, Service 1 to 3~~) by means of said telecommunications parameters.

20. (Currently amended) A telecommunications system as claimed in claim 17, wherein said terminal (~~HT~~) is arranged to transmit to the server network-specific service definitions which comprise defined connection quality parameters for each service, and said server (~~DA~~) is arranged to store said network-specific service definitions.

21. (Currently amended) A telecommunications system as claimed in claim 20, wherein said server (~~DA~~) is arranged to check the telecommunications parameters of the node (~~BTS, Service 1 to 3~~) providing the service according to the service request of the terminal (~~IT~~) from the stored network-specific service definitions, and to transmit the telecommunications parameters of said node in response to the service request made by the terminal (~~IT~~) only comprising substantially the service type.

22. (Currently amended) A system as claimed in claim 17, wherein said telecommunications parameters contain the limit values of the connection quality parameters supported by the node (~~BTS, Service 1 to 3~~).

23. (Currently amended) A system as claimed in claim 22, wherein the terminal (~~IT~~) configures itself to operate within said quality parameters when initiating connection establishment to the node (~~BTS, Service 1 to 3~~) in question.

24. (Currently amended) A system as claimed in claim 17, wherein the connection quality negotiation protocol software of the terminal (~~IT~~) configures itself to operate according to said telecommunications parameters.

25. (Currently amended) A system as claimed in claim 17, wherein the terminal (~~IT~~) selects automatically or assisted by the user a suitable node (~~BTS, Service 1 to 3~~) on the basis of the received telecommunications parameters.

26. (Currently amended) A system as claimed in claim 17, wherein communication between the terminal (~~IT~~) and the server (~~DA~~), and preferably between the nodes (~~BTS, Service 1 to 3~~) and the server (~~DA~~), is based on a data transmission protocol independent of said wireless telecommunications networks.

27. (Currently amended) A system as claimed in claim 17, wherein the connection

quality negotiation between the terminal (~~HT~~) and the node (~~BTS, Service 1 to 3~~) is based on a universal negotiation protocol.

28. (Currently amended) A system as claimed in claim 17, wherein said server is arranged to provide the terminal a connection or connection data to a second server which comprises software modules and parameter values of the desired new wireless telecommunications network, the terminal is arranged to download from said second server over the Internet protocol (~~IP~~) connection established through the old wireless telecommunications network configuration software modules and parameter values with which the terminal configures itself to the radio interface of the new desired wireless telecommunications network.

29. (Previously presented) A system as claimed in claim 17, wherein the service request sent by the terminal also defines the location of the terminal.

30. (Currently amended) A server which is connected to at least two different wireless networks (~~GSM, WLAN, DAB~~) whose nodes (~~BTS, Service 1 to 3~~) provide wireless data transmission services for wireless terminals (~~HT~~), wherein the server (~~DA~~) is arranged to store data and telecommunications parameters of the services supported by said nodes (~~BTS, Service 1 to 3~~) of the telecommunications networks, the server (~~DA~~) is responsive to a service request sent by the terminal (~~HT~~) for transmitting the telecommunications parameters of at least one node providing the service or services according to the service request, the terminal being able to establish a connection to said node (~~BTS, Service 1 to 3~~) on the basis of the parameters.

31. (Currently amended) A server as claimed in claim 30, wherein the server (~~DA~~) is arranged to communicate with said nodes (~~BTS, Service 1 to 3~~) to collect said service data and telecommunications parameters.

32. (Currently amended) A server as claimed in claim 30, wherein the server (~~DA~~) collects said service data and telecommunications parameters by means of registrations made by the nodes to the server.

33. (Currently amended) A server as claimed in claim 30, 31 or 32, wherein communication between the terminal (~~HT~~) and the server (~~DA~~) and preferably between the nodes (~~BTS, Service 1 to 3~~) and the server (~~DA~~) is based on a data transmission protocol independent of said wireless telecommunications networks.

34. (Currently amended) A server as claimed in claim 30, wherein said server is arranged to provide to the terminal a connection or connection data to a second server which contains software modules and parameter values of the desired new wireless telecommunications network, which the terminal downloads over the Internet protocol (~~IP~~) connection established through the old wireless telecommunications network to configure itself to the radio interface of the desired new wireless telecommunication network.

35. (Previously presented) A server as claimed in claim 30, wherein the service request sent by the terminal also defines the location of the terminal.

36. (Currently amended) A terminal capable of operating in two or more wireless networks (~~GSM, WLAN, DAB~~), wherein the terminal is arranged to transmit a service request to a server (~~DA~~) which stores service data and telecommunications parameters supported by nodes (~~BTS, Service 1 to 3~~) of said at least two telecommunications networks, the terminal is arranged to configure itself and/or establish a connection to one of said nodes (~~BTS, Service 1 to 3~~) on the basis of the telecommunications parameters received from said server (~~DA~~).

37. (Currently amended) A terminal as claimed in claim 36, wherein said telecommunications parameters contain the limit values of connection quality parameters supported by the node (~~BTS, Service 1 to 3~~).

38. (Currently amended) A terminal as claimed in claim 37 or 38, wherein the terminal (~~HT~~) configures itself to operate within said quality parameters when initiating connection establishment to the node (~~BTS, Service 1 to 3~~) in question.

39. (Previously presented) A terminal as claimed in claim 36, wherein a connection quality negotiation protocol software of the terminal configures itself to operate according to said telecommunications parameters.

40. (Currently amended) A terminal as claimed in claim 36, wherein the terminal ~~(HT)~~ selects a suitable node ~~(BTS, Service 1 to 3)~~ automatically on the basis of the received telecommunications parameters.

41. (Currently amended) A terminal as claimed in claim 36, wherein communication between the terminal ~~(HT)~~ and the server ~~(DA)~~ is based on a data transmission protocol independent of said wireless telecommunications networks.

42. (Currently amended) A terminal as claimed in claim 36, wherein the terminal ~~(HT)~~ comprises a user interface in which the user initiates a service request and preferably defines the requested service or telecommunications parameters.

43. (Currently amended) A terminal as claimed in claim 36, wherein the terminal ~~(HT)~~ comprises a user interface in which the terminal, on the basis of the data received from the server, displays to the user the information on the available telecommunications networks, services, telecommunications parameters and/or connection quality parameters.

44. (Currently amended) A terminal as claimed in claim 43, wherein the terminal ~~(HT)~~ configures itself and establishes a connection to a node ~~(BTS, Service 1 to 3)~~ accepted by the user.

45. (Currently amended) A terminal as claimed in claim 36, wherein connection quality negotiation between the terminal ~~(HT)~~ and the node ~~(BTS, Service 1 to 3)~~ is based on a universal negotiation protocol.

46. (Currently amended) A terminal as claimed in claim 36, wherein the terminal receives from said server a connection or connection data to a second server which contains software modules and parameter values of the desired new wireless telecommunications network, and the terminal is arranged to download from said second server over the Internet protocol (~~IP~~) connection established through the old wireless telecommunications network configuration software modules and parameter values with which the terminal configures itself to the radio interface of the new desired wireless telecommunications network.

47. (Previously presented) A terminal as claimed in claim 36, wherein the service request sent by the terminal also defines the location of the terminal.

48. (Currently amended) ~~[[A]]~~ An apparatus comprising a server of a wireless telecommunications network, wherein the server contains software modules and parameter values of the wireless telecommunications network, the server provides to a wireless terminal over an Internet protocol (~~IP~~) connection established through a second wireless telecommunications network the possibility to download configuration software modules and parameter values with which the terminal configures itself to the radio interface of the wireless telecommunications network.

49. (Currently amended) ~~A server~~ An apparatus as claimed in claim 48, wherein the ~~server~~ apparatus is located in a node of the wireless telecommunications network.